

the next generation ...

AquaPlay™ by Whitewater.

Innovative and colorful waterplay centers loaded with interactive features that captivate and entertain all ages. Our unique angleform™ design with its multi-directional landings, lead guests on a journey of discovery and adventure.



www.whitewaterwest.com



- * modular play systems
- * more themes
- * more play features

AquaPlay™
by whitewater

Professionals creating the ultimate aquatic, entertainment experience.

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Introduction

Whitewater is pleased to introduce our AquaPlay and AquaSpray interactive systems. We have designed these systems to ensure an infinite number of design possibilities utilizing triangular as well as square platform modules. We have added more interactive elements and increased the discoverability and playability of the structures. For all of the units there is standard theming available, the brief outlines of which are in the theming sections. More sophisticated theming has been applied to the larger units including the RainFortress with illustration renderings available on request. Renderings are available for various themings of the AP-1050 and the RainFortress. Custom theming is also provided on all units.

U.S. inquiries should be directed to renee@whitewaterwest.com, phone (800) 775-4337, fax (614) 485-0408 and international inquiries should be directed to whitewater@whitewaterwest.com, phone (604) 273-1068, fax (604) 273-4518.



Revision December 2002



Capacity Guidelines

Please use the following chart only as a guideline for capacity.

AP-Model	Total
50	40
150	90
200	100
250	115
300	125
350	135
550	200
600	215
650	235
750	250
1050	300
RainFortress	500+

The capacity figures shown above reflect the instantaneous capacity of the structure and the minimum safety zone around the structure only. The capacity of additional pool areas and of the relaxation/deck areas around the pool should be calculated separately.



The following is a list of items which should be considered and addressed by the owner or engineer during the design phase of a project involving AquaPlay™ systems. Please check off each item after being addressed.

1 Pool Design

All AquaPlay™ systems are manufactured to operate in a water depth of 30cm (12"). The structures can be adapted to other depths of pool, however, this must first be discussed with Whitewater during the planning stages of the project. The change in depth affects the exit height and length of the slide as well as the tunnel. All necessary changes should be noted on the bid proposal and purchase order.

2 Slide

To ensure a safe entry into the pool, tunnel slides must have one or more extensions added 66cm (26") each in length when used in pools less than 38cm (15") in depth. These extensions will be an additional cost to the purchaser. Please consult with Whitewater for special modification conditions.

Spiral Slides are not recommended in any pool with a depth of less than 38cm (15"). Please consult with Whitewater for special conditions.

3 Pool Floor

The surface of the pool floor directly below the structure must be at the same level. A sloped pool floor in these areas will make it more difficult to install the structure. A slight slope of 5mm to 10mm per meter (1/16" to 1/8" per foot) for drainage is allowable. Please consult with Whitewater if you are required to build on a sloped pool floor in excess of this recommendation.

4 Grounding

All Whitewater play systems should be electronically grounded in accordance with local requirements to prevent potential injury from electrical discharge. The exact location of grounding is to be determined by the local site electrical engineer.



5 Footing

AquaPlay™ systems up to and including the AP 1050 sit directly on top of the pool floor or slab with a minimum of 6" of reinforced concrete. However, local codes and environmental design criteria to vary and modifications to the pool floor may be required.

Whitewater will provide the following design information to enable you to determine foundation requirements:

1. Standpipe loads are available if required for local engineering review.
2. Whitewater will provide load information for the Rain Fortress.

6 Water Connection

All water connections for the standard AquaPlay™ units are above ground and supplied by Whitewater. The owner provides the supply lines which run below grade from the equipment room to the play structure.

7 Pumps

Pumping requirements for each play system model can be found on the Pump Information Sheet.

8 Filtration

The water source for the AquaPlay™ unit should conform to all local relevant local requirements for health in public swimming facilities.

9 Clearance

The required clearance from any slide or platform to the edge of the pool or play area varies (typically between 6' to 14'). Please refer to the appropriate Whitewater drawings.

10 Signage

Be sure the provision has been made for at least one sign near the point of entry to the AquaPlay area. See the Technical Support Guide for recommended verbiage.

11 Pump Suction

Fatal injuries can occur due to improper location and protection of the pump suction lines. Gravity flow to a suction pit outside of the



pool is preferred, but if suction sumps in the pool are used, be sure to provide vandal-proof grating and multiple pipe inlets. Water velocity through the suction gates should never exceed 1.5 feet per second .

12 Project Drawings

In order that our staff can best assist the design and construction team on the project, we request that applicable drawings be sent to our main office for review before the bidding date.



Pump Requirement Guideline

Pumping requirements for each AquaPlay™ model number are listed below. You will note that they are listed first in metric followed by imperial measurements.

AP - Model	Flow Rate (Liters Per Second/US G.P.M)	Total Dynamic Head* (Metric/Feet)	Estimated Power (kW**/hP)
50	25/400	10.7/35	3.8/5
150	47/750	10.7/35	7.5/10
200	35/550	10.7/35	5.6/7.5
250	44/700	10.7/35	7.5/10
300	50/800	10.7/35	7.5/10
350	60/950	13.7/45	11/15
550	82/1300	13.7/45	15/20
600	70/1100	13.7/45	15/20
650	95/1500	13.7/45	19/25
750	79/1250	15.2/50	18.5/25
1050	126/2000	13.7/45	22/30
Rain Fortress	278/4400	15.2/50	30/40 each X 2 Pumps

* Figures given are for TDH required at the base of the structure. This number does not include friction loss in piping to play structure from the pump vault or other miscellaneous exit, entrance and fitting losses. The total head required for the pump will vary due to site conditions and should be calculated by an engineer familiar with head loss calculations.

** These power kW numbers have been given for general information only. Actual power kW will vary depending on TDH as described above. These numbers were arrived at by assuming a distance of 30m (100') from the pump room to the structure in a vault that is 1.2m (4') below pool water level.

All pumps must be equipped with a hair and lint strainer on the



suction side of the pump which is periodically inspected and cleaned. The absence of a strainer will allow foreign objects and debris into the pump or piping of the structure which may clog nozzles and damage the protective coating inside the pipe.

In some situations the water effects pump that supplies water to the play structure can be reduced in size or eliminated by combining the system with the filter system or water effects pumps for other activities in the pool. This can dramatically reduce maintenance and construction costs but must be properly designed by an engineer knowledgeable with such systems. Please contact the Whitewater offices for further information on combined systems.

For winterization, there are drain plugs at the lowest point under the manifold. These should be opened during winter months.



Pumping requirements for each AquaSpray™ feature number are listed below. You will note that they are listed in metric followed by imperial measurements.

Model	Flow Rate (Liters per second/US G.P.M)	Total Dynamic Head * (Metric/Feet)	Estimated Power (kW**/hP)
103 Mini Rain Grove	15.8/250	10.7/35	2.2/3.0
107 Mini Rain Forest	28/450	10.7/35	3.8/5
108 AquaForte	50/800	10.7/35	7.5/10
109 Spray Bollards (4' w/Jets)	4.8/75	9.1/30	0.75/1.0
110 Spray Bollards (Set of 3)	13.9/220	9.1/30	2.2/3.0
120 Spray Bollards (Set of 5)	15.8/250	9.1/30	2.2/3.0
151 Cactus	5.0/79	9.1/30	1.1/1.5
201 Solid Stream Jets	9.5/150	10.7/35	1.5/2.0
220 Geyser Jets	3.8/60	15/50	0.75/1.0
250 Orange Squirt			
301 Pipe Falls	11.4/180	9.1/30	2.2/3.0
401 Arch Jets	6.3/100	9.1/30	1.1/1.5
501 Umbrella Jet	7.6/120	10.7/35	1.5/2.0
601 Water Curtain	9.5/150	9.1/30	1.5/2.0
701 Bar Jets	8.2/130	9.1/30	1.5/2.0
901 Pools & Falls	4.7/75	9.1/30	1.1/1.5
3400 Tot's Mini Cannon	1.3/20	10.7/35	0.4/0.5
3500 Power Cannon	2.2/35	10.7/35	0.56/0.76
4000 Raintree 90"	25.2/400	9.1/30	3.7/5.0
4050 Raintree 60"			
4060 TeaCup 90"			
4100 Cone Spill Bucket	3.8/60	9.1/30	0.75/1.0
5000 Fish Slide	3.8/60	9.1/30	0.75/1.0
5100 Tree Stump Slide	3.8/60	9.1/30	0.75/1.0
5200 Butterfly Slide	3.8/60	9.1/30	0.75/1.0



Theming

Standard THEMING is available for all models. This theming may include some or all of the following features:

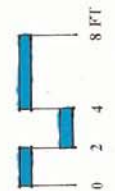
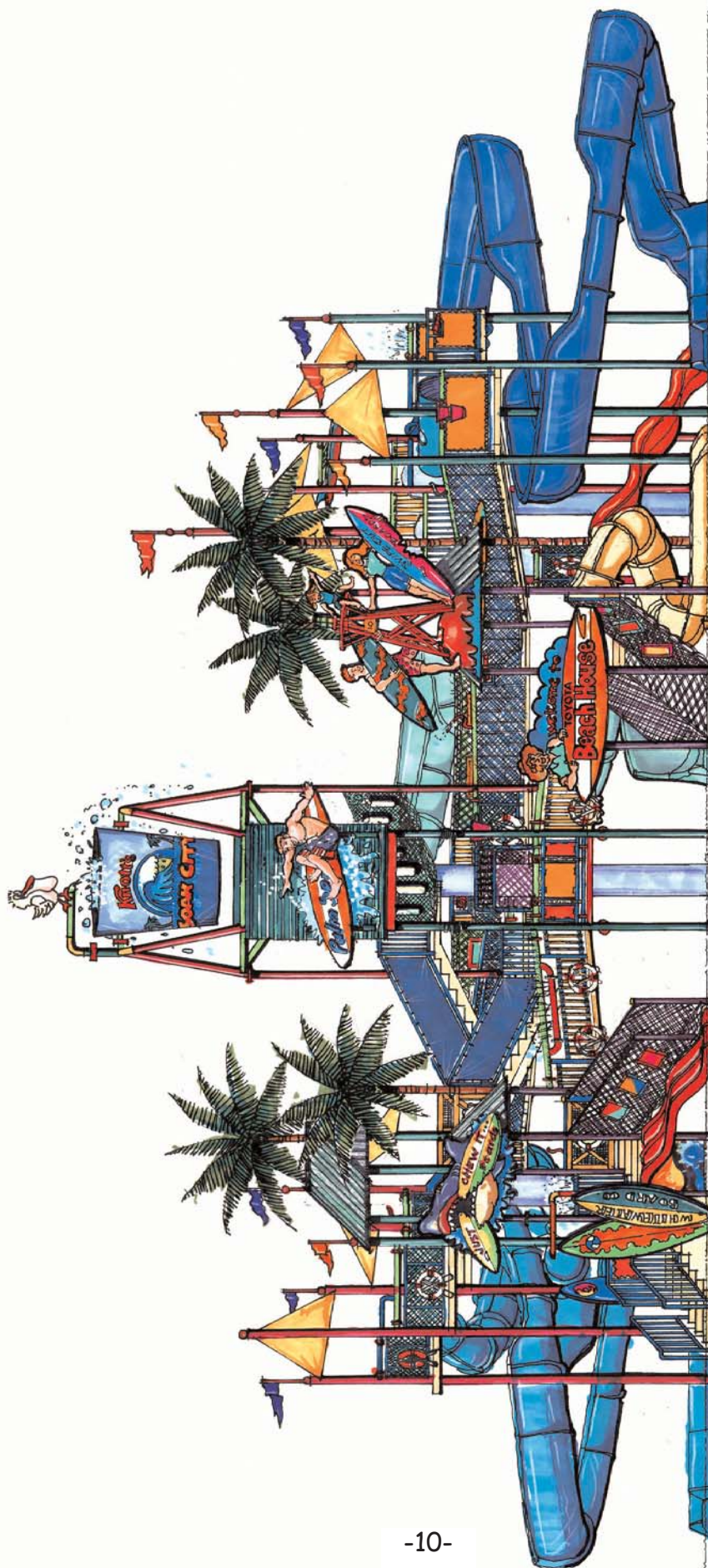
Theme\ Features	Caribbean Pirates Adventure	Polynesian South Seas	Treehouse Hide-Away	Enchanted Forest
Tipping Bucket	*Island Pirate Face	*Mythical Tropical God	*Wood Clad Steel Bucket	*Mythical Forest Creature
Standard Pipes	*Coconut Palm *Wood Grain	*Bamboo *Coconut Palm	*Wood Grain	*Wood Grain
Railings	*Ship Balustrades *Ships Timber *Ships Netting	*Bamboo *Pickets *Fish Netting	*Timber *Netting *Metal	*Timber *Netting
Roofs	*Thatch Roofs *Rowboat Canopy *Barrel & Treasure Chest Canopy	*Thatch Roofs *Spiral Clapboard *Fabric Shade Canopies	*Treefort/Shanty Town Clapboard *Fabric Shade Canopies	*Mushroom Cap *Gingerbread Cutout
Trees	*Palm Trees	*Palm Trees		*Banyan Style Trees
Skirts/Panels	*Ships Timber Painted	*Painted Jungle Vines & Leaves *Painted Wood Clapboards		*Wood Plank *Painted Forest Creatures
3-D Elements	*Rope Bound Columns *Crows Nest *Sail & Yard Arms *Rope Shrouds *Ships Lanterns *Suspended Signage *Pirate Penants	*Tiki Masks *Tropical Birds	*Tropical Birds *Discovery Panels *Kaleidoscope	*Giant Butterfly *Giant Owls *Giant Mushroom Cap *Mushrooms

Custom themes available on all models.



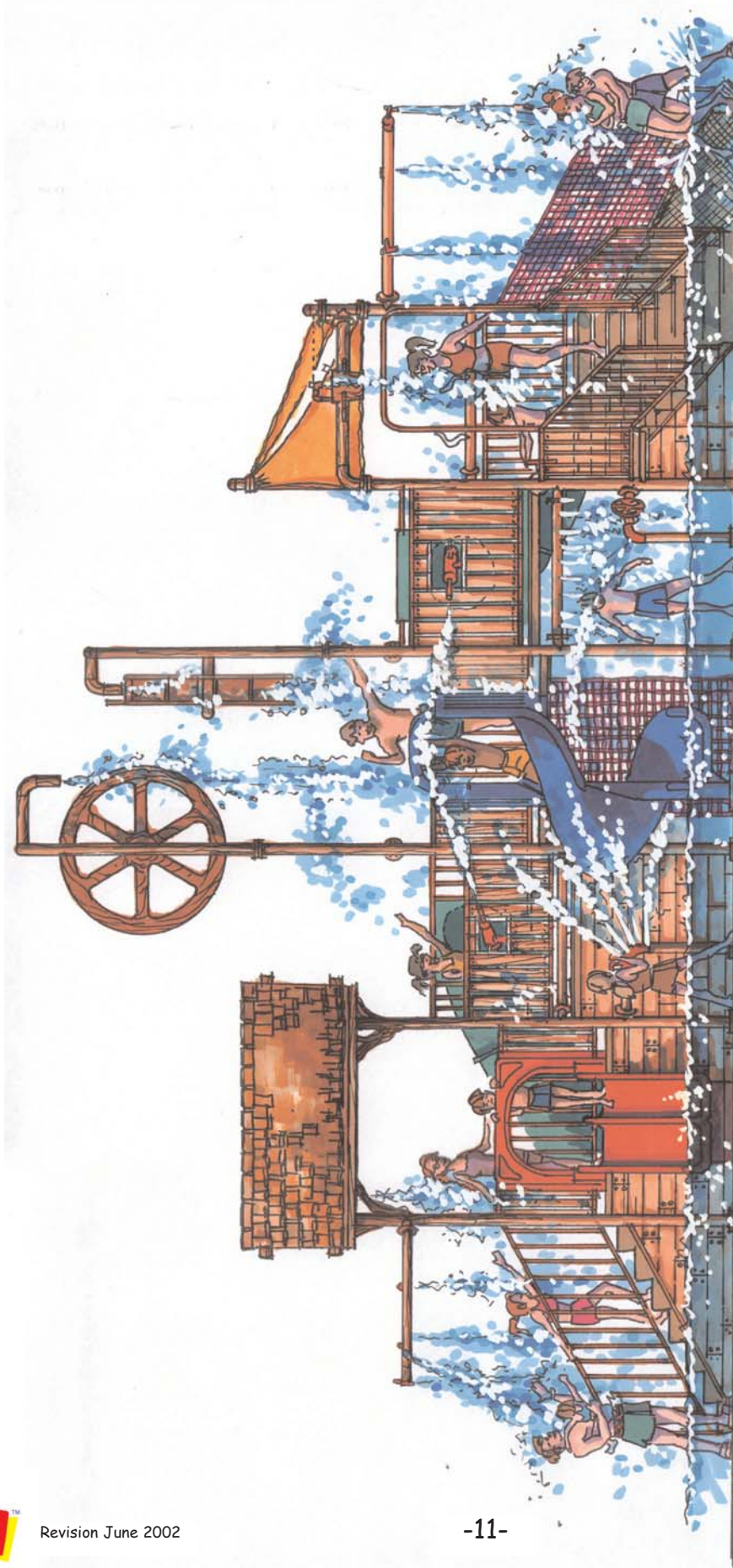
RainFortress at Knott's Soak City





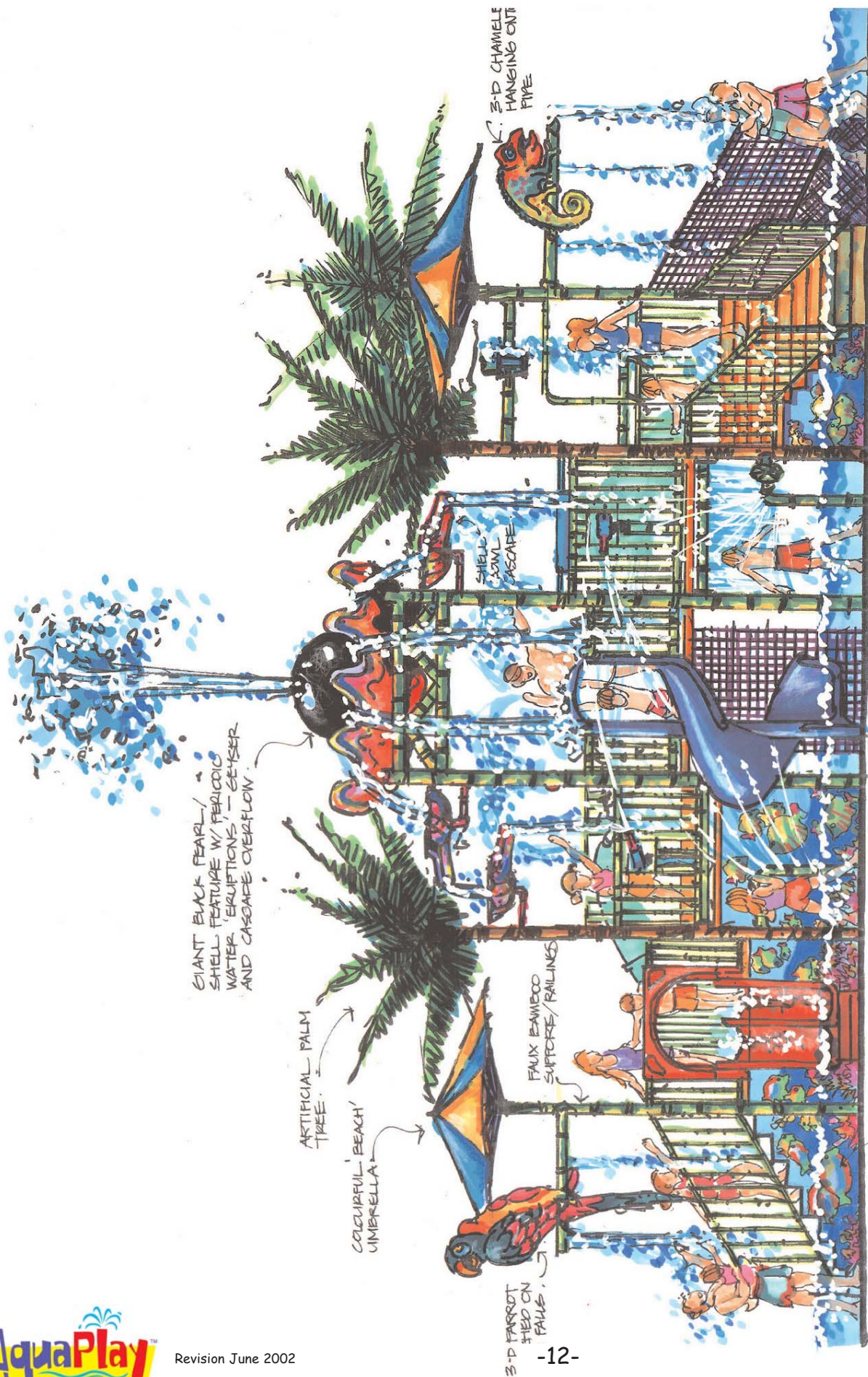
FRONT ELEVATION
KNOTT'S OASIS WATER PARK
SURFING USA THEMED RAIN FORTRESS
PALM SPRINGS, CALIFORNIA





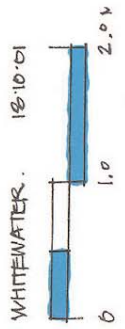
ADIRONDACK THEME AP 550 WITH GIANT SPINNING WHEELS FRONT ELEVATION
BALLWIN OUTDOOR SWIMMING COMPLEX BALLWIN, MISSOURI, USA. SCALE: 3/8" = 1'-0"

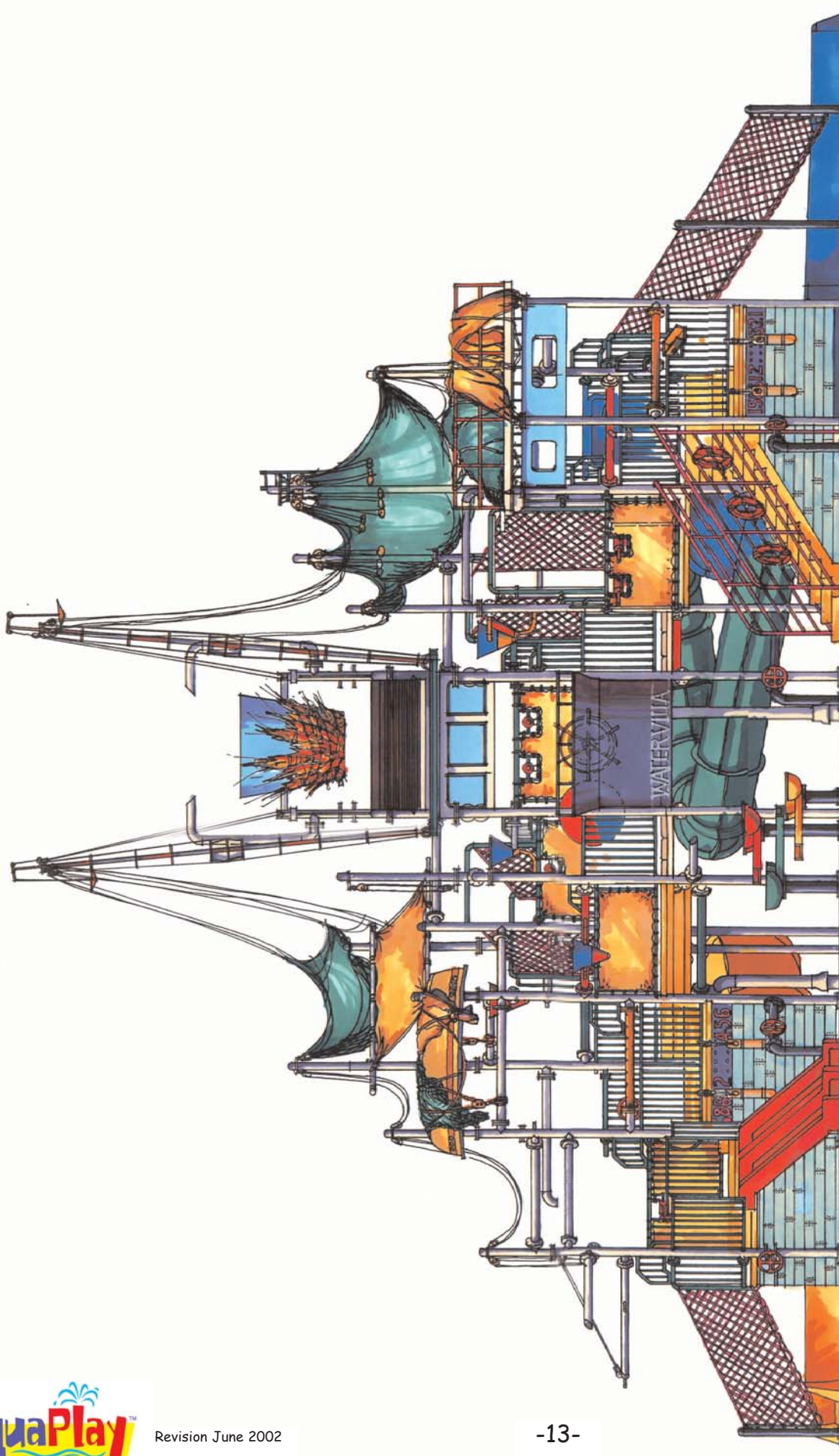




AQUAPLAY AP-550 WITH CUSTOM CARIBBEAN THEME

FRONT ELEVATION

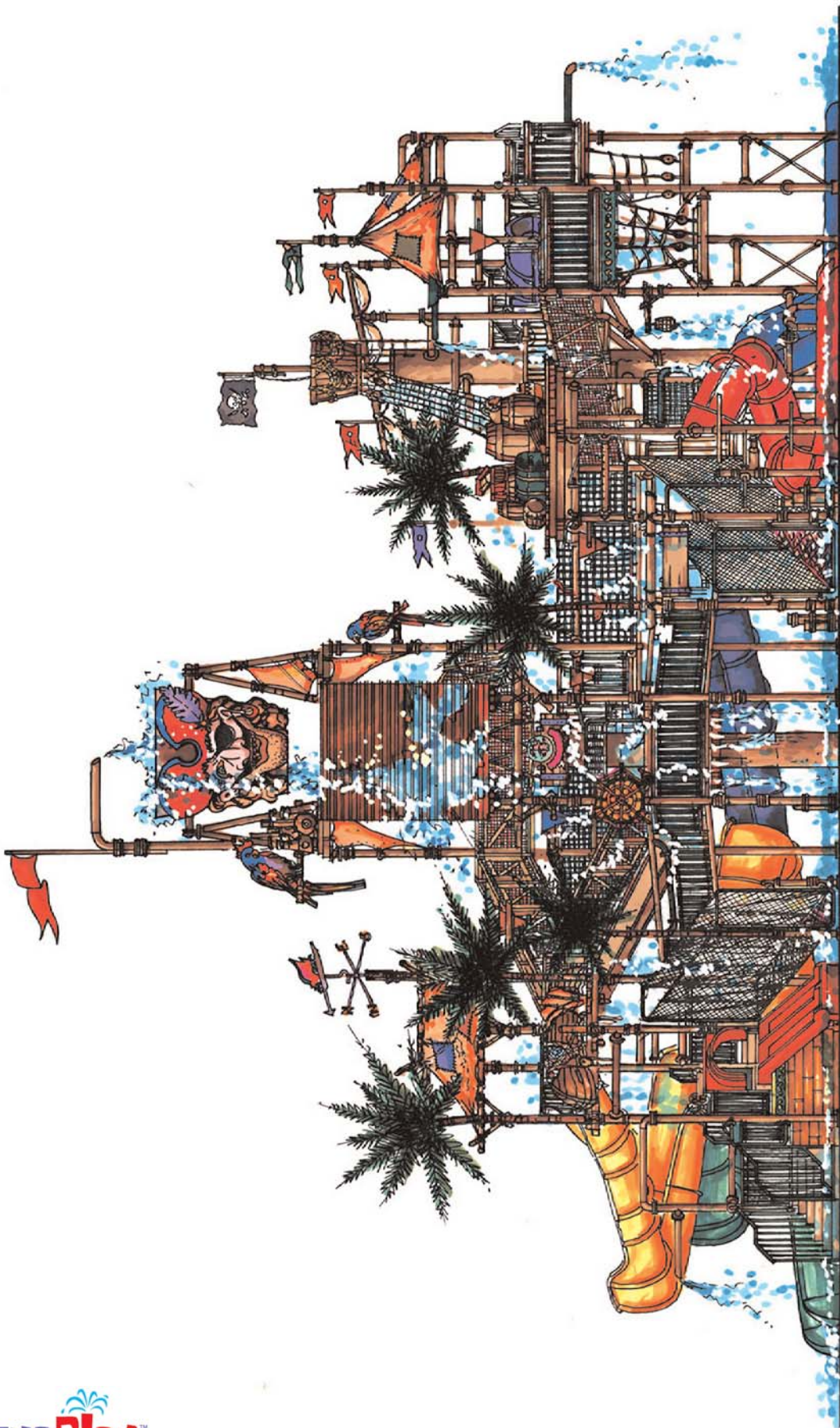




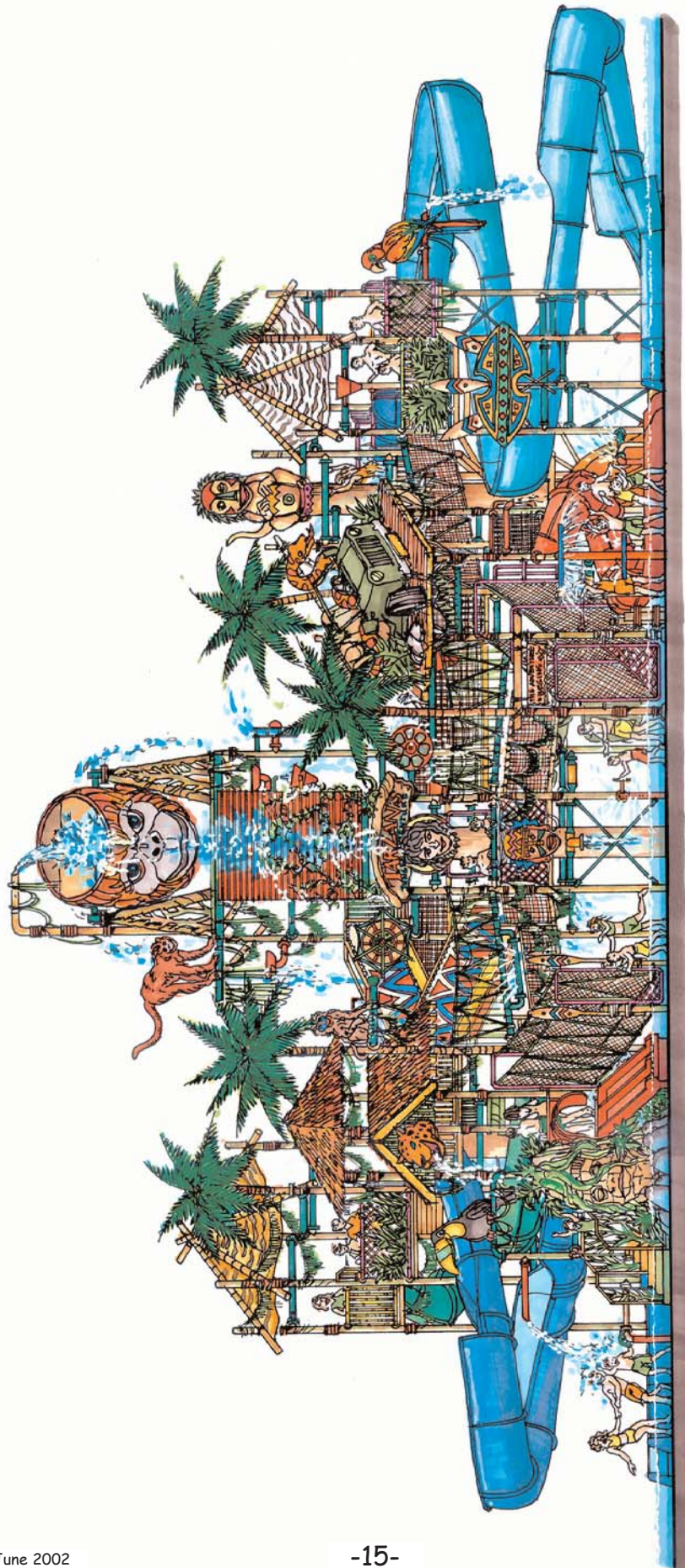
FRONT ELEVATION
1 : 30 METRIC

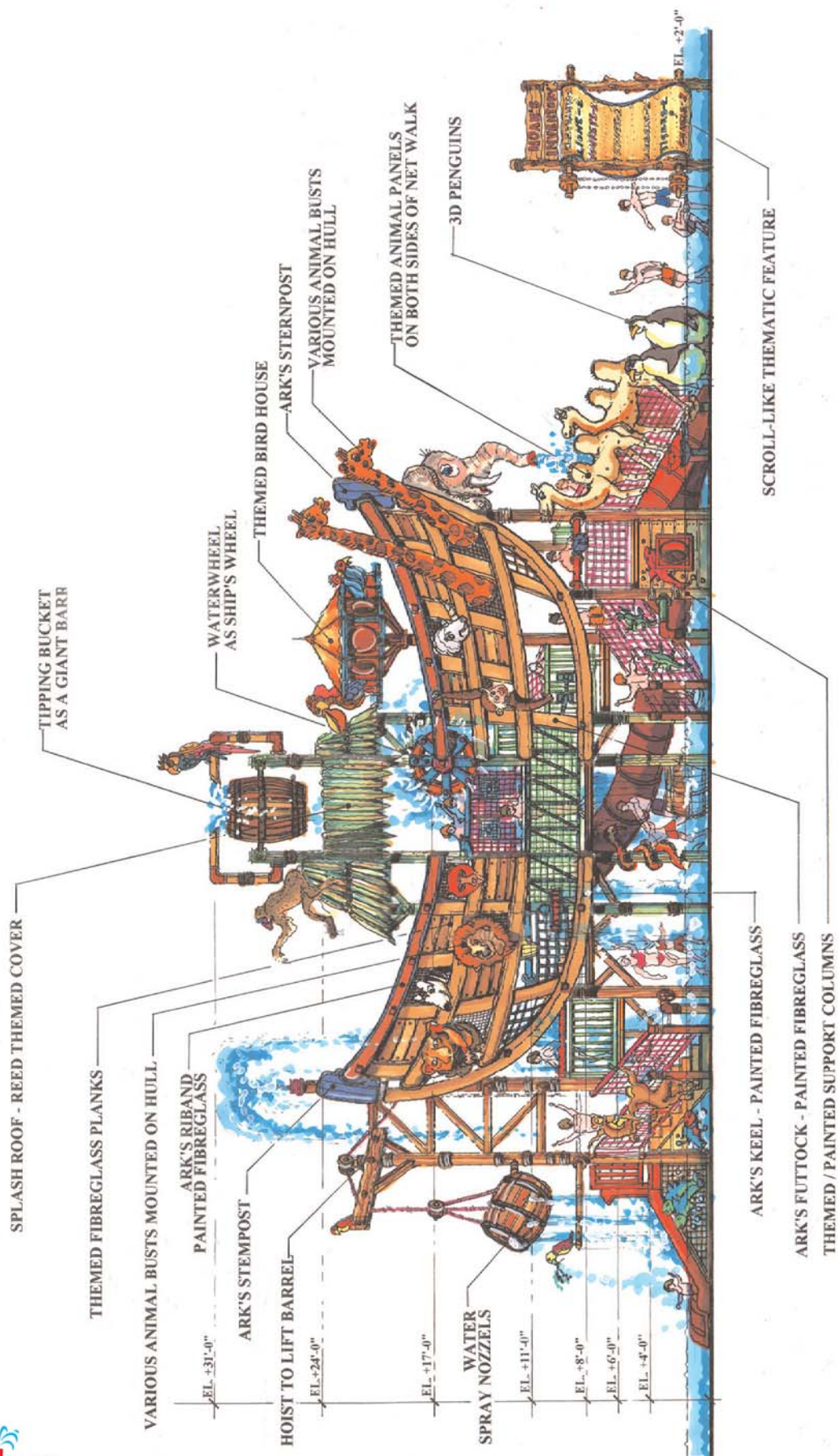
SHRIMP BOAT VILLAGE THEME AP-1050
WATERVILLE USA, GULF SHORES, ALABAMA, USA





CARIBBEAN PIRATES THEME RAINFORTRESS **FRONT ELEVATION**
ENCHANTED PARKS FEDERAL WAY, WASHINGTON, USA **SCALE: 1/4" = 1'-0"**





Color Selection Worksheet

This worksheet, along with the enclosed color paint chart will assist you in making the color selection for your AquaPlay™ system.

We recommend that clients choose colors from our palettes, options A through C. Alternatively custom palettes can be chosen from our standard colors, although this may increase total manufacturing time.

We can also create custom colors at an extra charge. Please see your sales representative for more information on custom colors.

To avoid any delays, we must have color selection at least 8 weeks before the scheduled ship date.

Paint Specifications

The topcoat on the AquaPlay and AquaSpray models used in Imron. It is a two-part catalysed polyurethane topcoat, applied over a two-part catalysed polyurethane primer. It is formulated to be chemical and UV resistant and as an extra measure, we apply an automotive quality clear-coat over the entire surface.



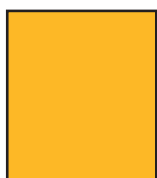
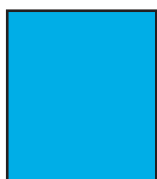
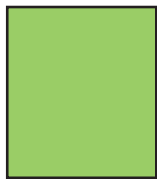
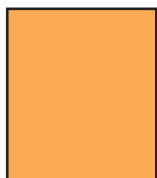
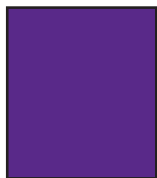
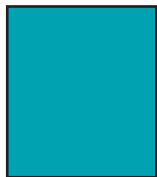
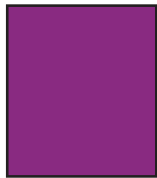
AP-1050 up to 8 colors

AP-300, AP-350, AP-550, AP-600, AP-650, AP-750

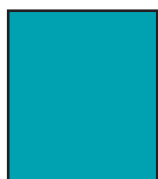
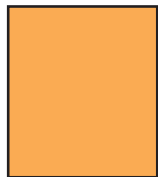
AP-150, AP-200, AP-250

AP-50, AP-100

Option 'A'



Option 'B'



Option 'C'



AquaPlay Standard Colors

8051A - Red



P186CV

7011T - Orange



P157C

6177A - Yellow



P123CV

5104B - Green



P375CV

5108P - Bright Green



P356C

4399A - Blue Green



P320CV

4344A - Purple



P2603CV

4445M - Global Blue



P298CV

4461A - Blue



P301CV

8683B - Magenta



P248C

Note: Use these colors as a guide only. For actual paint colors please see samples at the front of the binder.



Lead Times Guideline

AP - Model	Weeks
50	5
150	5
200	5
250	5
300	5
350	6
550	6
600	6
650	6
750	8
1050	10 (call your Whitewater representative)
Rain Fortress	Please call your Whitewater representative for current requirements.

Note: The above are manufacturing time guidelines only and are for units in standard color options. For standard theming and custom colors, add approximately 2-weeks to the times shown. Please consult Whitewater for your specific lead time. These lead times do not include transit time.



Shipping Requirements

AP-Model	Container
50	1 - 20'
150	1 - 20'
200	1 - 20'
250	1 - 40'
300	1 - 40'
350	1 - 40' + 1 - 20' for bucket
550	2 - 40'
600	2 - 40'
650	2 - 40'
750	3 - 40'
1050	4 - 40'
RainFortress	9 - 40'

- Tipping Bucket Option - Add 20' Container
- Does not include fiberglass slides or fiberglass slide supports.



System Installation Worksheet

The following worksheet will assist you in estimating the costs associated with the installation of an AquaPlay™ feature. Please keep in mind that the following are estimates only and will vary according to the skill level of the installation crew. In addition, these estimates do not account for any weather delays, etc. and assumes the ground work has been completed prior to beginning installation work.

AP - Model	Total Days to Install	No. Of Laborers Required + Supervisor Extra	No. of Days a Forklift is Required	No. of Days a Crane is Needed
50	2 - 3	2	2	0
150	2 - 3	2	2	0
200	3 - 4	2	2	0
250	3 - 5	2 - 3	2	0
300	3 - 5	2 - 3	3	0
350	3 - 5	2 - 3	3	1 Day if TB
550	7 - 8	3 - 4	8	7 - 8
600	8 - 10	3 - 4	8	7 - 8
650	8 - 10	3 - 4	8	8 - 10
750	2 - 3weeks	3 - 4	10	8 - 10
1050	3 - 4weeeks	3 - 4 2 days with plumber	3weeks	10 - 12
Rain Fortress	4 - 6weeks	4 - 5	28 + 28days x 3 man lifts	up to 28 days 30+ crane

Note: "Labor" does not include the forklift or crane operator.

TB = Tipping Bucket

All models require 2 days min. with a plumber.



Warranty

The complete system shall be warranted for manufacturer's defects for a period of one year.



Typical
Specifications



Frequently
Asked
Questions

1. How do we winterize the unit?

Answer: There are drain plugs located under the manifold for winter draining.

2. What is the recommended water depth?

Answer: 12 inches is standard.

3. Can the units be used on dry decks with drains?

Answer: Yes, call your Whitewater Representative for more information.

4. Do you provide the landing pads?

Answer: Yes, but the cost is not included in standard pricing.

5. What models can we use the Tipping Bucket on?

Answer: Model 350 and up.

6. Are the units handicap accessible?

Answer: All units can be adapted for handicap access.

7. What are the payments terms?

Answer: 50% deposit, 40% on delivery, and 10% on completion of installation.

8. Can Whitewater install the units?

Answer: Whitewater can either provide an installation supervisor using customer provided labor and equipment or Whitewater can provide full installation services.

9. What models can we have a custom theme on?

Answer: All models, see our theming matrix for standard themes. Custom theming is also available.

10. Does the price include freight?

Answer: Yes, prices are FOB job site in the U.S. and Canada and C.I.F. base-port internationally.



11. Do you charge extra for a sloped pool?

Answer: No, unless customizing of the unit is necessary.

12. Do you have a man-hour estimate for each unit?

Answer: Yes, see attached schedule.

14. Can salt water be used?

Answer: Yes, but Whitewater must be notified in advance of manufacturing in order to provide for additional anti-corrosion.



Features	AP-50	AP-100	AP-150	AP-200	AP-250	AP-300	AP-350	AP-550	AP-600	AP-650	AP-750	AP-1050	RainFortress
Bridge	0	0	0	0	0	0	0	0	0	0	0	2	8
Bubbler Jets 3	0	1	1	1	1	1	1	1	2	1	3	1	2
Bubbler Jets 4	0	0	0	0	0	1	0	1	0	1	0	2	2
Crawl Tunnel	0	0	0	0	1	1	0	1	0	1	1	1	1
Fiberglass Aquatube Slide	0	0	0	0	0	0	0	0	0	0	0	1	2
Fiberglass Pool Sider Slide	0	0	0	0	0	0	0	0	0	0	0	1	3
Funnel Toy	0	0	0	0	0	0	1	0	2	1	1	2	0
Gang Arching Jets	3	2	2	3	3	4	3	4	6	6	5	6	10
Giant Tipping Bucket	0	0	0	0	0	0	1*	1*	1*	1*	1*	1**	1**
Guns	0	1	1	0	2	1	2	2	2	2	2	9	13
Hose Jet	0	2	0	1	1	0	1	2	2	2	3	0	10
Net Bridge	0	0	0	0	0	0	0	0	0	0	0	2	3
Net Climber	0	1	1	1	1	1	1	2	0	2	1	2	2
Peacock Jets	0	0	0	1	1	1	1	1	2	1	1	1	1
Pipe Falls	1	1	1	1	1	1	1	2	1	1	1	2	5
Platforms	1	2	2	3	4	5	6	9	10	10	12	17	33
Poly Straight slide	1	0	0	1	1	1	1	1	1	1	1	1	2
Poly Tunnel Slide	0	1	1	1	1	1	1	2	2	2	1	1	0
Poly Spiral Slide	0	0	0	0	0	0	0	1	0	0	1	0	0
Pull Rope	1	1	1	1	1	1	1	2	1	1	1	3	7
Roofs	0	0	0	0	1	1	1	1	3	2	3	4	6
Runnels & Trays	0	0	0	0	0	0	0	0	0	0	1*	1	4
Single Arching Jets	0	1	1	1	0	1	1	1	0	0	0	2	1
Spinning Tray	0	0	0	0	0	0	0	0	1	1	1	1	1
Tipping Cones	0	1	1	0	1	1	1	2	2	2	2	3	8
Tipping Troughs	0	0	0	0	0	0	1	1	3	1	1	0	6
Umbrella Jet	0	0	1	1	2	2	1	2	0	2	2	1	0
Water Curtain	0	0	0	0	0	1	0	1	0	1	0	0	2
Water Wheel	0	0	0	0	0	0	0	0	2	1	1	1	4
Total features	7	14	13	16	22	25	26	40	43	43	46	68	137
Total features per platform	7	7	6.5	5.3	5.5	5	4.3	4.4	4.3	4.3	3.8	4	4.2

Note: Subject to change. Please use your sales representative for a final list prior to order.

*optional

**standard



Selling Features

At Whitewater we have been designing and manufacturing interactive AquaPlay™ systems since 1995. When we launched our AquaPlay™ line, we looked at both entertainment and product quality issues. A number of key technical improvements have been made, and more are being researched.

Improvements include:

1. More Interactive Elements - All of the systems have more interactive play elements as compared to other systems of equal size on the market. Individual comparisons are available upon request.
2. More Platforms - By adding more platforms, we have improved the "discoverability" of the units. Thus, customers will have more enjoyment on the multi-level and multi-platform structures by discovering their way through the structure.
3. Fiberglass Waterslides - We have added to the variety of waterslides on the structures to incorporate a number of different riding sensations. For example, on the Rain Fortress, we have included a multiple person gang slide, a Poolsider™, a fully enclosed Aqua-tube and a combination slide.
4. Superior Coating System - We have improved the quality of the paint applied to our interactive structures and added a final clear-coat of urethane over the two primer coats and two polyurethane coats. This assists in anti-corrosion and also preserves the color vibrancy.
5. Coupler Upgrading - All drain couplers and plugs are now stainless steel.
6. Valves Upgraded - All interactive valves have been upgraded to 100% stainless steel (bodies, shafts and stems).
7. Durable Hand Wheels - All hand wheels on the valves have been upgraded to coated aluminum base. This has primarily



been done to avoid breakage of plastic handwheels.

8. *Reliable Water Guns* - The waterguns have been completely redesigned to ensure a higher degree of reliability.
9. *Improved Galvanization* - Each of the systems has been designed to eliminate blind spots during galvanization. This serves to reduce corrosion and extend the life of all units.
10. *Theming* - We have significantly diversified the theming of each of these units through the participation of our urethane foam division. This in-house function allows us to meet any requirement a customer may have with respect to theming.
11. *Tipping Bucket Action* - all tipping buckets are fully tested in the shop prior to shipment. This insures proper action upon installation without time delays on site.



Pricing

AquaPlay

All prices are in U.S. dollars.

AP-Model	In Primary Colors	In Standard Theme
50	\$17,954	\$22,215
150	\$37,730	\$53,245
200	\$50,570	\$71,255
250	\$60,915	\$86,770
300	\$71,255	\$102,285
350	\$81,600	\$117,795
550	\$126,515	\$183,400
600	\$138,860	\$198,915
650	\$147,200	\$214,425
750	\$167,885	\$245,455
1050	\$292,900	\$401,490

Rain Fortress (Complete)	\$811,545
Rain Fortress (Front Module)	\$477,545
Rain Fortress (Left Module)	\$168,075
Rain Fortress (Right Module)	\$184,365

Caribbean Pirates Adventure
Theme Polynesian South Seas Theme
Treehouse Hide-Away Theme

Rain Fortress:	
Enchanted Forest Theme	\$898,670

Note:

1. All prices are FOB job site for projects in North America and CIF base port elsewhere. The unit price includes the disassembled play structure, installation manual, supply manifold and connection tees. The unit price does not include installation, system pump, anchor bolts, pools or any below grade piping.



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2. All units are now supplied with fiberglass slides as standard.
3. Tipping Buckets are included in the pricing of the AP1050, and the RainFortress. They are available as an optional add-on to the AP350 and larger units at a cost of \$25,000 per bucket.
4. All prices are subject to change without notice. Terms are 50% deposit, 40% upon delivery, 10% upon completion of installation.
5. Price includes fiberglass waterslides, steel supports, yokes hardware.



Revision October 2002



AquaSpray Models

Activities

AquaSpray activity elements are individual features, which can often suit smaller facilities or budgets with the AquaPlay systems. These units are designed to be used in wet or dry parks and are very effective even under low water requirements.

Participants choose whether to stay dry while controlling the water effects from the side or they can cool off by playing in and around the sprays, jets and falls.

AS-103 Mini Rain Grove



adjust and interact with the various sprays, jets and falling water.

AS-107 Mini Rain Forest

The AS-107 AquaSpray is the unique combination of a fountain and waterplay attraction that is perfect for any park, swimming



AS-108
AquaForte

pool or recreational facility. As a fountain, it becomes the visual focus point of an area with its sculptural form, bright colors and multiple water effects. As a waterplay system, it becomes a fun and exciting activity where participants can adjust and interact with the various sprays, jets and falling water. As with all AquaPlay units, guests may choose to stay dry and control the water effects in their clothes, or wear their swimsuits to experience the full effect of waterplay.



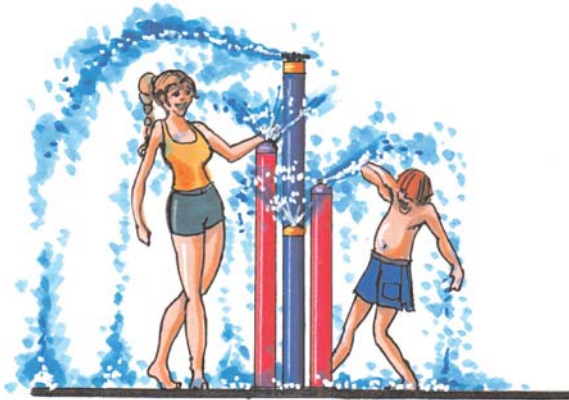
The AS-108 AquaSpray system is the perfect choice for facilities which want a wide variety of water effects in one compact unit, or want all interactive activities to be accessible from the ground level. Pull ropes allow the overhead sprays to be activated from below, allowing the user to experiment with a variety of spray patterns. Peacock jets arch up into the air at various angles, in a radial pattern. The dramatically tall roof and central waterfall will draw guests into the fun and serve as an exciting visual focal point. Many other water effects found on our larger units are also incorporated into this model to make it our most space efficient and unique, small-scale system.



AS-109
Spray Bollard
(4" with Jet)

AS-110
Spray Bollard
(Set of 3 with
4" Bollards)

AS-120
Spray Bollard
(Set of 5 with
4" Bollards)



Spray Bollards are available as singles or in sets of three and five. The set of five (shown above) includes a rotating sprinkler head and four spray nozzles, which spray simultaneously to set the entire area with a fine mist. Recessed nozzles are also available which produce clear streams of water from the side of the bollard.

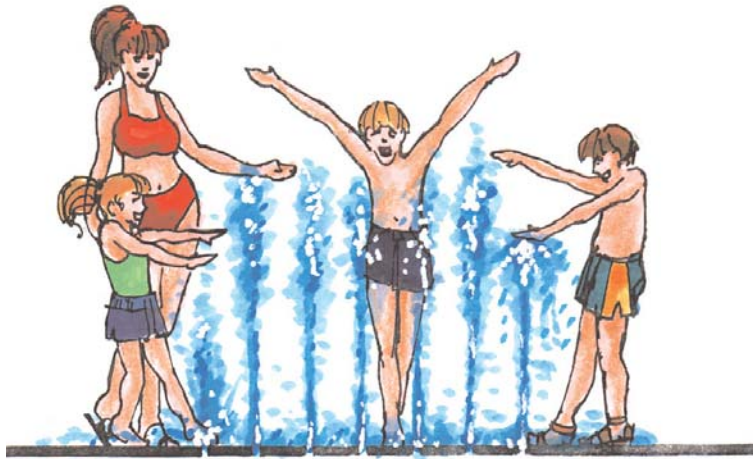
AS-151
Cactus

The Cactus has four-fanned shaped water plumes and rotating sprinkler, which creates a wonderful multi-spray effect. Shaped like a Desert Cactus, this WhiteWater AquaSpray feature is situated to spray at varied levels.

This feature uses a 2-inch feed or water supply line.



AS-201
Solid Stream
Jets



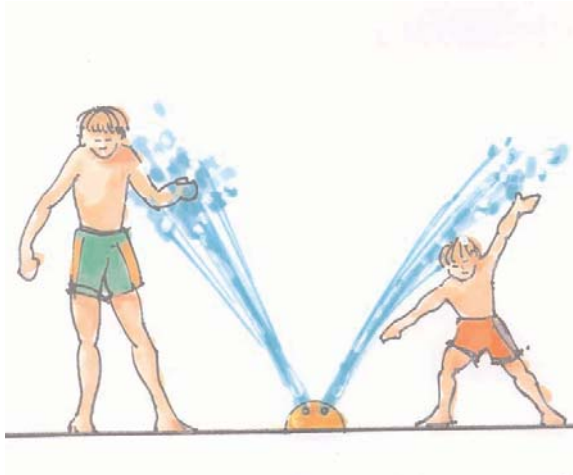
The Solid Stream jets utilize a series of seven nozzles fed by a below-grade manifold. The height of the jets can be adjusted by the operator to achieve the desired effect, or a remote valve can be used for participant control.

AS-220
Geyser Jet

The Geyser Jet generates a bubbling mound of water 12" - 48" (0.3-1.2m) in height and 12" - 36" (0.3-0.9m) in diameter. The effect can be used individually or clustered in groups. The jet operates in a maximum water depth of 3" (8cm) or can be installed flush on a dry surface.



AS-250
Orange Squirt



The Orange Squirt creates a spray of water from various openings on the mound shaped surface. They can be attached anywhere around the pool in clusters or singularly to create the desired effect.

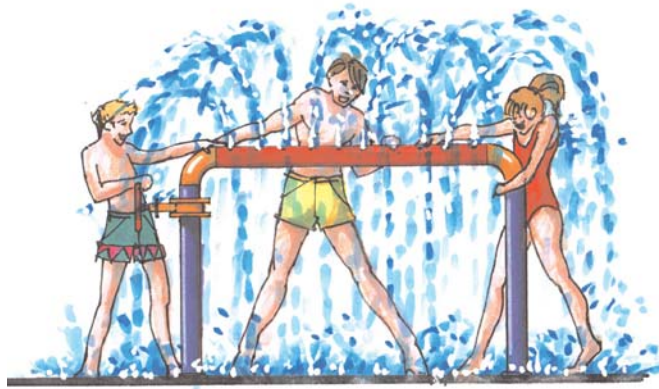
AS-301
Pipe Falls

The Pipe Falls pours a "tube" of water which widens to a heavy sheet as it falls to the ground. With the interactive valve,



participants can vary the flow from a trickle to the full tubes falls.

AS-401
Arch Jets



The Arch Jets use a series of eight recessed nozzles which form clear streams of water that arch up at a 45 degree angle before falling to the ground. The interactive valve gives participants the control of distance and height from effects.

AS-501
Umbrella Jets

The Umbrella Jet produces an inverted dome shaped sheet of clear water that falls in a circular pattern completely around the pipe. An interactive valve enables the participants to control the size of the pattern and texture of water.



AS-601
Water Curtain



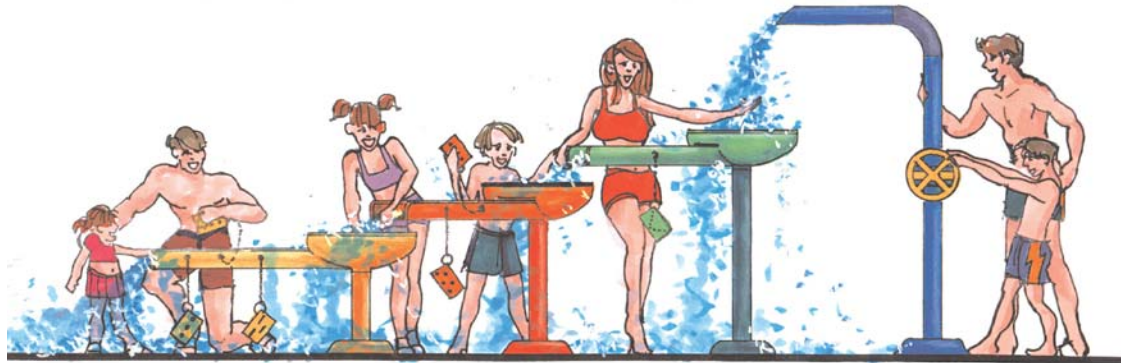
The Water Curtain produces a translucent sheet of water with full water flow or a row of "droplets" at lower levels. The interactive valve lets participants control the rate of flow.

AS-701
Bar Jets

The Bar Jets use a series of recessed nozzles which produce vertical streams of water at six inches on center. With the interactive valve, participants can vary the flow from small drops of water to a rain curtain or solid bars and streams of water.

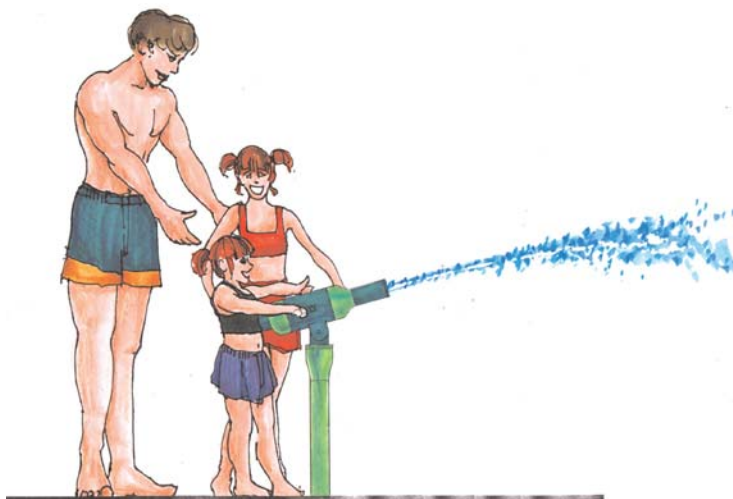


AS-901
Pools & Falls



The Pools & Falls system is a multi-level series of steel or fiberglass troughs in which water can flow from one runnel to another. The runnels are fed from a small pipe fall with an optional interactive valve that enables participants to control the flow from a small dribble to a heavy stream. The runnels can also rotate 90 degrees, giving participants the option to divert the water out of the trough system.

AS-3400
Tot's Mini
Cannon

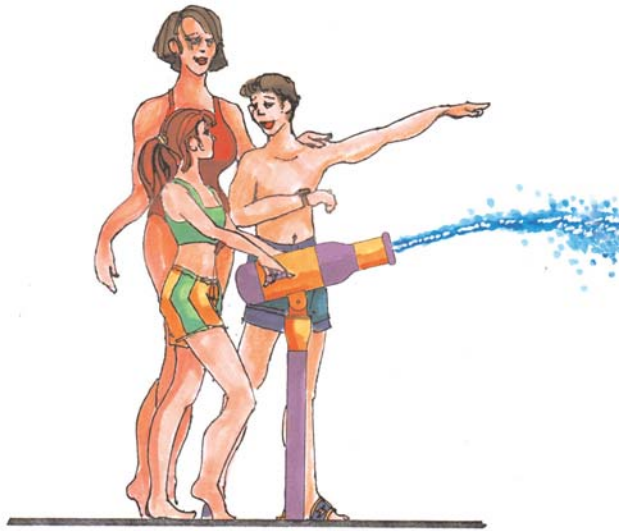


This feature offers the smaller visitors a shot at the big guns. Quick action valves controlled by an easy-trigger allow participants to control the flow and direction of the Mini Cannon.



AS-3500
Power Cannon

Like the Tot's Mini Cannon, the Power Cannon produces big time fun. Quick opening valves controlled by an easy-trigger allow visitors to 'let-em-have-it' from all directions. Colorful and powerful - a great addition to any waterplay area.



AS-4000
Raintree-90"

AS-4050
Raintree-60"



Sometimes called the water mushroom, the Raintree is a popular effect that sends a steady circular sheet of water down around its cap. A smooth laminar water sheet appears to be transparent and when wind is present the sheet provides a varied visual texture.



AS-4060
Teecup-90"

The Teecup is a variation of the Raintree with top notches around the edges. Water spills from the notched hood creating wide, clear sheets of water falling out in various sections.



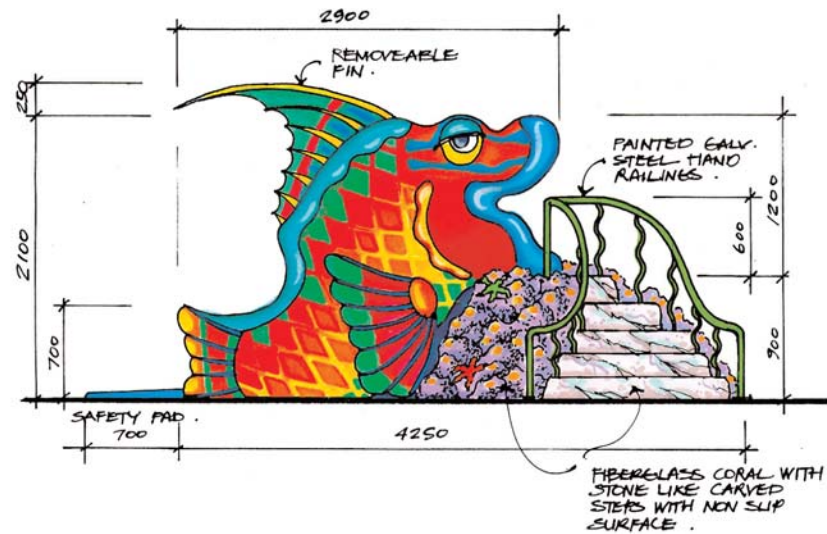
AS-4100
Cone Spill Bucket



The element of surprise awaits as down jets fill the cone-shaped tumble buckets which randomly dump generous amounts of H₂O on the guests below.

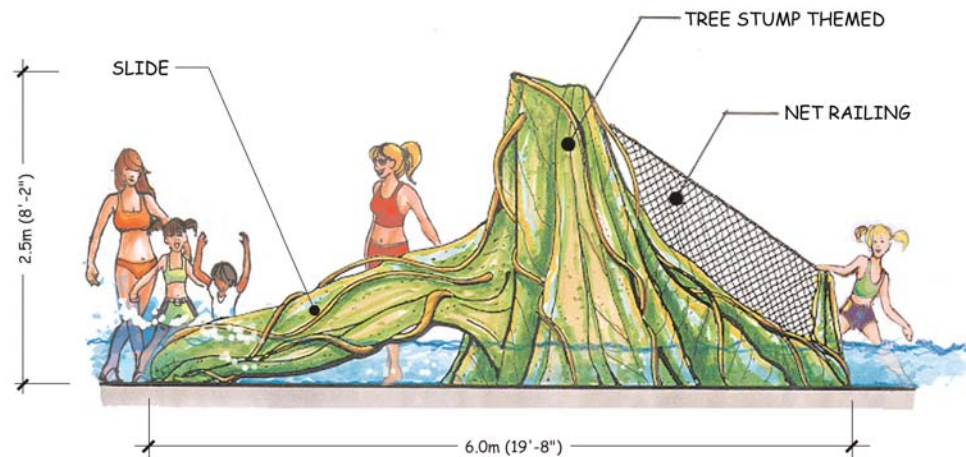


AS-5000
Fish Slide



This custom molded water slide gives the little visitors a fantastic thrill. Designed after a tropical species of fish, its wide mouth awaits at the top of the coral encrusted stairs. This slide can be equipped for regular garden hose hook-up or conventional waterpark plumbing.

AS-5100
Tree Stump Slide



A custom molded Banyan Tree waterslide evokes a rain forest theme. Manufactured from Fiberglass, the waterslide provides a gentle ride experience designed for toddlers. This slide can be run with standard garden hose hook up or conventional waterpark plumbing.

AS-5200
Butterfly Slide



The Butterfly Slide is custom molded with an enchanted forest theme. There are two larger than life butterflies with beautiful vibrant colors. It is a gentle ride designed for toddlers. This slide can be run with standard garden hose hook up or conventional waterpark plumbing.

The AquaSpray pool components are normally installed on top of the existing pool floor.

All items are fabricated from galvanized steel (except where noted), epoxy primed and painted with two polyurethane topcoats in the standard color of your choice. Please see colour chart.



Pricing

All prices are in U.S. dollars.

AquaSpray

AS-Model		Unit Price
AS-103	Mini Rain Grove	\$12,430
AS-107	Mini Rain Forest	\$20,715
AS-108	AquaForte	\$32,140
AS-109	Spray Bollard (4" w/ Jet)	\$1,755
AS-110	Spray Bollard (Set of 3)	\$2,260
AS-120	Spray Bollard (Set of 5)	\$4,690
AS-151	Cactus	\$4,690
AS-201	Solid Stream Jets	\$1,275
AS-220	Geyser Jets	\$2,080
AS-250	Orange Squirt	\$640
AS-301	Pipe Falls*	\$2,260
AS-401	Arch Jets*	\$2,445
AS-501	Umbrella Jet*	\$2,950
AS-601	Water Curtain*	\$4,115
AS-701	Bar Jets*	\$3,825
AS-901	Pools & Falls*	\$8,810
AS-3400	Tot's Mini Cannon	\$3,475
AS-3500	Power Cannon	\$2,770
AS-3800	Power Cannon with Target	\$4,400
AS-3810	Additional Target and Cannon for AS3800	\$3,100
AS-3820	Power Cannon with Target (themed)	\$7,040
AS-3830	Additional Target and Cannon for AS3820	\$4,960
AS-4000	Raintree - 90"	\$3,885
AS-4050	Raintree - 60"	\$3,050
AS-4060	90" TeeCup	\$4,780
AS-4100	Cone Spill Buckets	\$6,040
AS-5000	Fish Slide	\$22,455
AS-5100	Tree Stump Slide	\$23,525
AS-5200	Butterfly Slide	\$24,595

Notes:

1. The AquaSpray components are normally installed on top of the pool floor. Imbedded connection tees are included in the above pricing and are available in advance of shipping the unit.
2. All prices are subject to change without notice. Terms, 50% deposit, 50% upon delivery, F.O.B. Richmond, BC.
3. * Includes interactive valve.

